

# HUS-IDM-F21S

Industrial Grade Unmanaged 2-port 10/100/1000Base-TX + 1-port 1000Base-SFP Ethernet Switch with Redundant DC Power Inputs

## Features



- 2 10/100/1000Base-TX + 1 1000Base-SFP
- Supports IEEE802.3az energy-saving technology
- Supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- 10K Bytes Jumbo Frame
- Supports 12G backplane bandwidth
- Supports 802.3x Flow control
- 10/100/1000Mbps RJ45 Port
- Supports external 1000Base-SFP
- Supports Wall-mount and DIN-Rail installation
- Redundant Power Inputs
- -20°C to 70°C operating temperature

## Specifications

### Ethernet

Standards	IEEE802.3 10Base-T IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control IEEE802.3az for Energy Efficient Ethernet IEEE802.1q for VLAN IEEE802.1x for Port Based Network Access Control
Processing type	Store and forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 148,8000pps (1000Mbps)
Cabling	10Base-TX: Cat5 or above 100Base-TX: Cat5 or above 1000Base-TX: Cat5 or above
Packet Buffer Memory	1Mbits
Max Packet Length	10Kbytes
Address Table size	4K
Exchange Property	Delay time: < 7μs Backplane bandwidth: 12Gbps

## Interface

RJ45 port	10/100/1000Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
SFP port	1000Base-SFP (Suggest HEPDA SFP)
LED Indicators	Power; LINK

## Optical

SFP port	1000Mbps
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## Electrical and Mechanical

Input Power	DC9-56V (Terminal block, Redundant power)
Power Consumption	5W, Max. <a href="#">0.1A@48VDC</a>
Connector	1 removable 5-contact terminal blocks Pin 1/2 for Power 1, Pin 4/5 for Power 2, Pin 3 for fault alarm
Dimensions	120 x 90 x 35 mm
Weight	350g
Casing	Aluminum case
Mounting Options	DIN-Rail and Wall Mount

## Environmental

Operation Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 90% non-condensing
MTBF	> 100,000 hrs

## Regulatory Approvals

FCC Part 15 Class B	IEC 62321-4:2013+AMD1:2017
IEC/EN 60884-1:2002+A1:2006+A2:2013	IEC 62321-5:2013
EN 62368-1:2020	IEC 62321-6:2015
EN 55032:2015	IEC 62321-7-1:2015
EN 61000-3-2:2014	IEC 62321-7-2:2017
EN 61000-3-3:2013	IEC 62321-8:2017
EN 55035:2017	

## Ordering Information

### Available Model

HUS-IDM-F21S	Industrial Grade Unmanaged 2-port 10/100/1000Base-TX + 1-port 1000Base-SFP Ethernet Switch with Redundant DC Power Inputs
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### Optional Accessories (to be purchased separately)

SFP	(S)=SFP Option. Please select your SFP on our SFP Modules page for details.
Power supply	Recommended power supply: MDR-10-12. Please refer to the Power Adaptors and Power Supply page for more information

### Package Checklist

- Unmanaged Switch x 1
- Din Rail Clip x 1
- Wall Mount Kits x 2
- Quick Installation Guide x 1



Hepda Pte Ltd, 2024

Due to continuous improvement, all product specifications are subject to change without further notice.